

**FRIEDMAN & BRUYA, INC.****ENVIRONMENTAL CHEMISTS**

Date of Report: October 5, 1993

Date Received: September 28, 1993

Project: 7238, Annealing Oven Solids, PO #M 31101

Date Samples Extracted: October 1, 1993

**RESULTS FROM THE ANALYSIS OF THE SOLID SAMPLE  
FOR CHROMIUM, COPPER, NICKEL, ZINC AND IRON  
Samples Processed Using Method 3050  
Results Reported as  $\mu\text{g/g}$  (ppm)**

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>	<u>Iron</u>
M 31101	1,900	13,000	22,000	24	130,000
<b><u>Quality Assurance</u></b>					
Blank	<1	<1	<1	<1	<1
Spike Blank % Recovery	95%	95%	98%	100%	100%
Spike Level	100	100	200	100	200

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3008-B 16th Avenue West  
Seattle, WA 98119  
FAX: (206) 283-5044

October 5, 1993

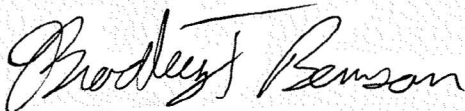
Gerry Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on September 28, 1993 from Project 7238, Annealing Oven Solids, PO #M 31101.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,



Bradley T. Benson  
Chemist

BTB/dp

Enclosures

FRIEDMAN & BRUYA, INC.  
3008-B 16th Avenue West  
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To:

Company ALASKAN Copper Works Contact Gerald Thompson  
Address P.O. Box 3546  
City, State, Zip Seattle 98106  
Phone # 623-5800 Date 9/28/93

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

Annealing oven solids

SAMPLERS (signature)

PROJECT LOCATION

3200 6th Ave Seattle

REMARKS

SAMPLE DISPOSAL INFORM.

- ☐ Dispose after 30 days  
☒ Return Samples  
☐ Call for Instructions

SAMPLE #

Date/Time  
Sampled

Type of  
Sample

# of  
Jars

Lab  
Sample #

Analyses  
Requested

m 31101 1:45 PM 9/28 Solids 44127 Cr Cu Ni 2N FE

SIGNATURE

PRINT NAME

COMPANY

Date

Time

Relinquished by:

Received by:

Relinquished by:

Received by:

Gerald Thompson

Charles Rupp

ALASKAN Copper Works

F&B I

9/28/93

9.28.93

2:11

2:12



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

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**DUPLICATE COPY**

**October 5, 1993**

**INVOICE # 93ACU1005-1**

Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project 7238, Annealing Oven Solids, PO #M 31101: Results of testing  
requested by Gerry Thompson, Project Leader and submitted on September  
28, 1993.

1 solid sample analyzed for Chromium, Copper, Nickel,  
Zinc and Iron @ \$75 per sample

\$ 75.00

Amount Due .....

\$ 75.00